

## ABSTRACT

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### THERMOPLASTIC POLYESTER COMPOSITIONS HAVING IMPROVED IMPACT PROPERTIES

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**Company named:** ELF ATOCHEM S.A.  
4 & 8 Cours Michelet  
La Défense 10  
92800 PUTEAUX - Hauts-de-Seine

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**Agent:** Henry NÉEL

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**Inventors:** Mr Christophe LACROIX  
Mr Alain BOUILLLOUX

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The present invention relates to thermoplastic polyesters, which comprise, by weight:

- (i) a thermoplastic polyester;
  - (ii) an impact modifier comprising:
    - (a) a core-shell copolymer (A);
    - (b) an ethylene copolymer (B) chosen from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
  - (iii) the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively;
  - (iv) the (B)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively.
- It is particularly useful for PET and PBT.